The works of Brett Nortje part 75 [5th of June 2014]

How do we get the orbitals, spin, half life and mass to be easy to remember?

The best way i can describe knowing the mass of an element is to assign mass to every orbital minus the nucleus and protons. this will give you the mass of the element, as, $9.10938215(45) \times 10^{-31}$ is the mass of the electron when it is stationary. therefore, seeing as how a atom is made out of electrons, protons and a nucleus, to find the mass you need to find he values of each of these things.

> Quote by: **http://en.wikipedia.org/wiki/Spin_(physics)**
> *The conventional definition of the spin quantum number s is s = n/2, where n can be any non-negative integer. Hence the allowed values of s are 0, 1/2, 1, 3/2, 2, etc.*

Knowing the spin is depending on how many orbitals the element has, as the more it has, the slower it spins. the higher the atomic number, the more orbitals it has as described before with my counting method.

Knowing the half life comes down to radioactive decay and works like powers in maths, from 1 to 7.

Orbitals come down to dividing electrons in pairs of two into the atomic number.